

AMENDMENTS TO THE SPECIFICATION

Page 1, Line 2, insert the following heading and paragraph:

CROSS REFERENCE TO RELATED APPLICATIONS

This application is a continuation of International Application No. PCT/GB02/01427 filed March 27, 2002, the disclosures of which are incorporated herein by reference, which claimed priority to Great Britain Patent Application No. 0107605.8 filed March 27, 2001, the disclosures of which are also incorporated herein by reference.

Page 1, before Line 3, insert the heading:

BACKGROUND OF THE INVENTION

Replace the paragraph beginning on Page 1, Line 8, with the following new paragraph:
EP1001256A1, which is incorporated by reference herein, discloses a torque sensor 100 in which two [discs] disks 101, 102 are mounted in close proximity and attached to the respective ends of a torque transmitting shaft. Both of the discs 101, 102 carry a set of circumferentially spaced slots 103, 104, and the slots in each of the two discs co-operate to define apertures for the passage of light. A light source 105 is provided to one side of the first disk to emit light through the slots in the first disk and the slots in the second disk onto an optical detector 106 provided on the other side of the disks. As torque is applied to the torque transmitting shaft relative motion between the two discs alters the way in which the slots overlap and hence the size of the apertures which control the pattern of light incident upon the optical detector.

Page 3, Line 27, insert the heading:

SUMMARY OF THE INVENTION

Page 8, replace the paragraph in Lines 18 – 20, with the following paragraph:

Various objects and advantages of this invention will become apparent to those skilled in the art from the following detailed description of the preferred embodiment, when read in light of the accompanying drawings.

Page 8, Line 21, insert the heading:

BRIEF DESCRIPTION OF THE DRAWINGS

Page 9, Line 11, insert the heading:

DETAILED DESCRIPTION OF THE INVENTION

Page 14, replace the paragraph beginning on Line 1, with the following paragraph:

It will, of course, be understood that the invention is not limited in any way to the specific embodiment described hereinabove. The invention provides a displacement centre which uses rotating modulating [desks] disks together with the appropriate detector array [is] to enable the amount of run-out of one or both of the disks to be compensated.

Page 14, Line 6, insert the following paragraph:

In accordance with the provisions of the patent statutes, the principle and mode of operation of this invention have been explained and illustrated in its preferred embodiment. However, it must be understood that this invention may be practiced otherwise than as specifically explained and illustrated without departing from its spirit or scope.